A complete audio file of this meeting is available under the agenda portion of the County website.

VIRGINIA: A SCHEDULED WORK SESSION OF THE SURRY COUNTY BOARD OF SUPERVISORS HELD IN THE GENERAL DISTRICT COURTROOM OF THE SURRY COUNTY GOVERNMENT CENTER ON THURSDAY, FEBRUARY 6, 2020 AT 5:00P.M.

PRESENT: SUPERVISOR ROBERT ELLIOTT, JR.
SUPERVISOR MICHAEL DREWRY
SUPERVISOR JUDY LYTTLE
SUPERVISOR KENNETH HOLMES
SUPERVISOR WILLIAM (TIM) CALHOUN

ALSO PRESENT: MS. DANIELLE POWELL, COUNTY ATTORNEY
MS. MELISSA ROLLINS, ACTING COUNTY ADMINISTRATOR
MR. RAY PHELPS, EMERGENCY SERVICES
MR. DAVID HARRISON, ECONOMIC DEVELOPMENT
MS. GLADYS FOX, WORK FORCE DEVELOPMENT
MR. WILLIAMS SAUNDERS, BUILDING AND PLANNING
MR. JUDSON SMITH, EMERGENCY COMMUNICATIONS
MS. FRANCES BAILEY, BUILDING AND PLANNING
MS. LINDA GHOLSTON, WORKFORCE DEVELOPMENT
MS. PAT BERNSHAUSEN, TOURISM
MR. DELON BROWN, NETWORK ADMINISTRATOR

CALL TO ORDER

The work session was called to order by Chairperson Elliott.

DISCUSSION TOPICS

Emergency Services Requests Relating to the new Emergency Operations Center: Building Name and a Communications Patch, Mr. Ray Phelps, Emergency Services Director

Request to name the new Emergency Services Building: 'The Surry County Emergency Operations Center and Volunteer Rescue Squad' as well as a request to approve a new patch design for the County Dispatchers.

Supervisor Drewry made a motion to approve the name change and the adoption of the patch for dispatchers. Supervisor Calhoun seconded the motion. All present voted affirmatively. **(Approved)**

An Economic Development Discussion: Downtown Revitalization and Economic Development, Mr. David Harrison, Economic Development Director

Mr. David Harrison introduced Mr. Andrew White, owner of the former hardware store in Surry County, and Mr. Benjamin Mercer of YMIS LLC. Holding Company, property owner in Surry County to the Board.

Mr. White introduced Ms. Blount, a former Surry County resident, who supports revitalization of Surry County and will be assisting Mr. White in his venture. Mr. Mercer thanked the Board for having him and expressed his commitment for revitalization of Surry County and his interest in supporting a food source or supermarket in Surry County. Mr. White expressed his commitment to supporting the supermarket and his investment intentions.

Discussion on Bicycle and Pedestrian Plan

Ms. Diane Cheek, Surry District, introduced Mr. Tom Howard from Tidewater Trails Alliance, Ms. Susan Corvello, Spring Grove District, and Ms. Kristi Hendricks, who came before the Board to express their desire and support of a separate shared use path for bicycles and pedestrians to be included in the Smart Scale Grant, as opposed to the paved shoulders that are currently proposed.

Supervisor Elliott advised Mr. William Saunders, Director of Planning and Community Development, had information in reference to the above mentioned concerns about the Smart Scale Project, and suggested hearing this information from him first.

Mr. William Saunders, Director of Planning and Community Development, advised on the potential for re-scoping Smart Scale projects. The Smart Scale Project grant is for 9.6 million dollars to put 5 foot paved shoulders on both sides of the road on route 31 from the commuter parking lot near the ferry landing down to the town of Surry. This was billed as a bicycle accommodation; however it was not scored as a bicycle accommodation. The project can be re-scoped, but there is risk of losing the entire grant funding.
If the bike trail does not score, we lose the money and it goes to the next locality. We could later apply for a bicycle accommodation that would not conflict with the grant already received. Surry can apply for the multi-use path in preparation for the next round of smart scale in two years. There will be a bike trail application at some point, whether it is now or later.

Mr. Tom Howard, Chairman of the Tidewater Trail Alliance spoke in support of a bike path and suggested a committee be formed to look at all available options and present the options to the Board for a decision. Ms. Kristi Hendricks, Ms. Diane Cheek, and Ms. Susan Corvello also spoke in support of a bike path as well as a committee formed to work on the issues and possibilities discussed.

Supervisor Lyttle expressed concern over the possibility of loss of the grant. Supervisor Elliott confirmed with Mr. Saunders that if they went forward with what has already been proposed, the multi-use path could be applied for in the next two years. Mr. Saunders confirmed this was correct.

Ms. Kristi Hendricks and Ms. Susan Corvello again expressed the need for a committee to open up conversations for the multi-use trail and bring in different organizations to assist.

Supervisor Drewry expressed concern over the clarity of the plan and map and the need to continue with the Smart Scale plan as is, and apply for other grants later.

Ms. Diane Cheek expressed concerns over clarity from the Board on what was originally proposed and approved for the project in 2018, as well as concern over the Boards presentation of the material to the public. Citizens were under the impression a shared use path was approved. Ms. Cheek stated there has been no public hearing on the shoulder widening and citizens who live on route 31 do not know what is coming in the future.

After much discussion, Supervisor Elliott advised the Board is in support of the multi-use path and will take the aforementioned recommendations into consideration.

Presentation: Surry Data Center Modernization, Mr. Delon Brown, Network Administrator

Mr. Delon Brown, Network Administrator, advised the Board on the need for Data Center Modernization. **(A copy of Mr. Brown's presentation is attached as an integral part of these minutes)**

Proposed Code of Ethics

Supervisor Elliott asked Board members if there was any discussion needed on the code of ethics. Supervisor Lyttle asked for more time to review the code line by line together as a Board. Supervisor Elliott advised Board members would discuss further before action was taken.

Supervisor Calhoun requested a change to the time of the future Board work sessions and Supervisor Elliott advised this would be discussed at the next work session.

CLOSED SESSION

Supervisor Holmes made a motion to convene into closed session as permitted by Virginia Code: § **2.2-3711(A)(6**): Investment of public funds. Discussion or consideration of the investment of public funds where competition or bargaining is involved, where, if made public initially, the financial interest of the governmental unit would be adversely affected.

§2.2-3711(A)(1): Consultation with legal counsel regarding specific legal matters requiring the provision of legal advice by counsel as it relates to the super market.

§2.2-3711(A)(3): Disposition of publicly held real property where discussion in an open meeting would adversely affect our bargaining position as it relates to the industrial park.

The motion was seconded by Supervisor Lyttle and unanimously approved.

Supervisor Lyttle made a motion to return to open session, and the Board did not convene into closed session, it will be done instead at the regular meeting to follow at 7:00PM. Supervisor Drewry seconded the motion. The Board did not convene into closed session and instead, will convene into closed session at the 7:00PM meeting tonight. All present voted affirmatively.

ADJOURNMENT

Supervisor Elliott adjourned the work session at 6:44PM.

DELL EMC

FORTINET®

CISCO™

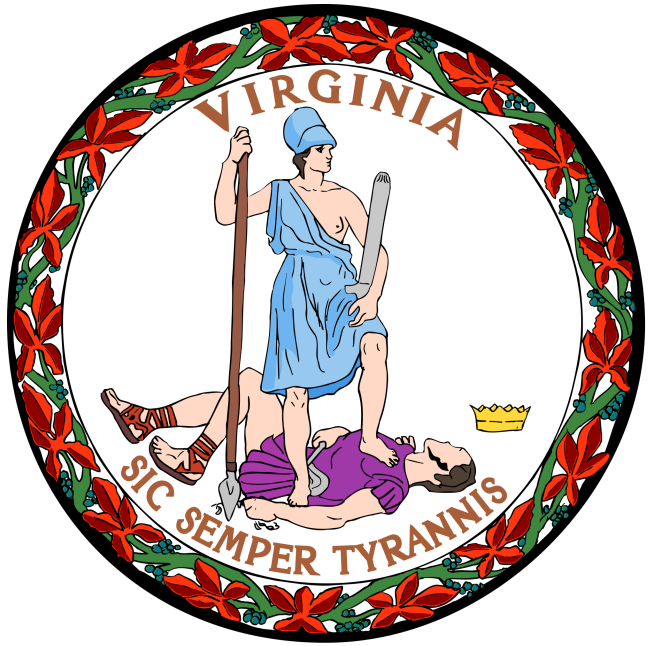
Surry County Technical Datacenter Modernization

Today's IT teams are required to manage an increasing number of workloads with the same resources. In many organizations a significant part of IT spend is being devoted to reducing management overhead, especially among those companies using traditional IT infrastructure.

State and local government agencies have a mandate to support their constituents with the best solutions possible. But modern technologies can be expensive, out of reach of limited government budgets. Yet traditional, hardware-centric infrastructure comes with a high price of its own, requiring time-consuming management, and putting performance at risk.

With the daily rise of cyberthreats, migrating from a legacy IT infrastructure to a hyperconverged solution allows for operation of industry best practices ethics. With this solution Data Protection, Disaster Recovery, and Business Continuity plans establishes structure and procedures to defend against such attacks within an organization's IT Infrastructure . As a goal of the IT department, the assurance of data integrity and protection for the County of Surry and our constituents is a top priority.

Local Agencies Affected By Cyber Activity



Fredericksburg

August 15th, 2019

- $600,000 was compromised in a recent phishing scheme within Spotsylvania County
- Over half of the total sum had been restored due to Virginia State Police's efforts in restorations and investigations
- The original intercepted payment was meant for a $1.2 Million football field for the local high school

Read More

Data Breaches

January 15th, 2018

- Credit card information had been compromised
- Hackers intercepted payment information
- The system was put offline for further investigation
- Software was completely replaced to prevent this in the future
- County suspects all payment information was logged for months

Read More

CBS 19 News

September 25th, 2019

- Over 10,000 utility customers in the Charlottesville area advised by city officials that their information was possibly leaked
- City advised they were unaware of any misuse of the leaked information, informed affected customers to be safe
- Leaked information included customer's names, addresses, SSNs, and driver's license information

Read More

Virginia First

November 29th, 2018

- Employee emails compromised in phishing scheme
- Hackers persistently sent phishing emails to Town officials for three months
- The Town's customer financial data was possibly compromised in attack

Read More

Daily Progress

November 27th, 2019

- Charlottesville, Virginia was victim of cyberattack for second time in a year
- Third-party software for tax payments was breached
- Officials unsure how many citizens were affected in the attack

Read More

Reference: https://www.seculore.com/cyber-attacks-virginia

Advantages of Hyperconvergence vs. Traditional, Three Tier-Architecture

HCI transforms the traditional IT operational model with simple, unified management of resources. This results in:

Simpler Operations

Eliminate manual processes and the need for siloed operational expertise on your team. Now, a single, converged IT team can monitor and manage compute and storage resources, freeing up precious staff time.

Lower Costs

Reduce your CAPEX by using a scale-up/scale-out architecture that requires only industry-standard x86 servers, not expensive, purpose-built networking. Then simply add capacity as needed with no disruptions.

Greater Agility

Be more responsive to rapidly changing business needs. Set up hardware in a few hours; spin up workloads in minutes. Accelerate the performance of business-critical applications like relational databases.

What Is Virtualization

Virtualization is the process of creating a software-based, or virtual, representation of something, such as virtual applications, servers, storage and networks. It is the single most effective way to reduce IT expenses while boosting efficiency and agility for all size businesses.

More Advantages Of Virtualization

- **Saves money on IT costs.** When you partition one physical server into several virtual machines, you can deploy, operate and manage multiple operating system instances at once on that single physical server. Fewer physical servers mean less money spent on those servers.

- **Reduces the number of physical servers a company must have on its premises.** Regardless of company size, it’s always a good idea to save space.

- **Cuts down on energy consumption** With fewer physical servers consuming power. That's especially important, given the trend toward green IT planning and implementation.
- **Creates independent user environments.** Keeping everything separate is especially useful for purposes such as software testing.

INTRODUCING THE LATEST

VxRail

Simpler, More Powerful, More Secure

vmware VALIDATED DESIGNS

Powered by vSAN

WHAT'S NEW – VxRail

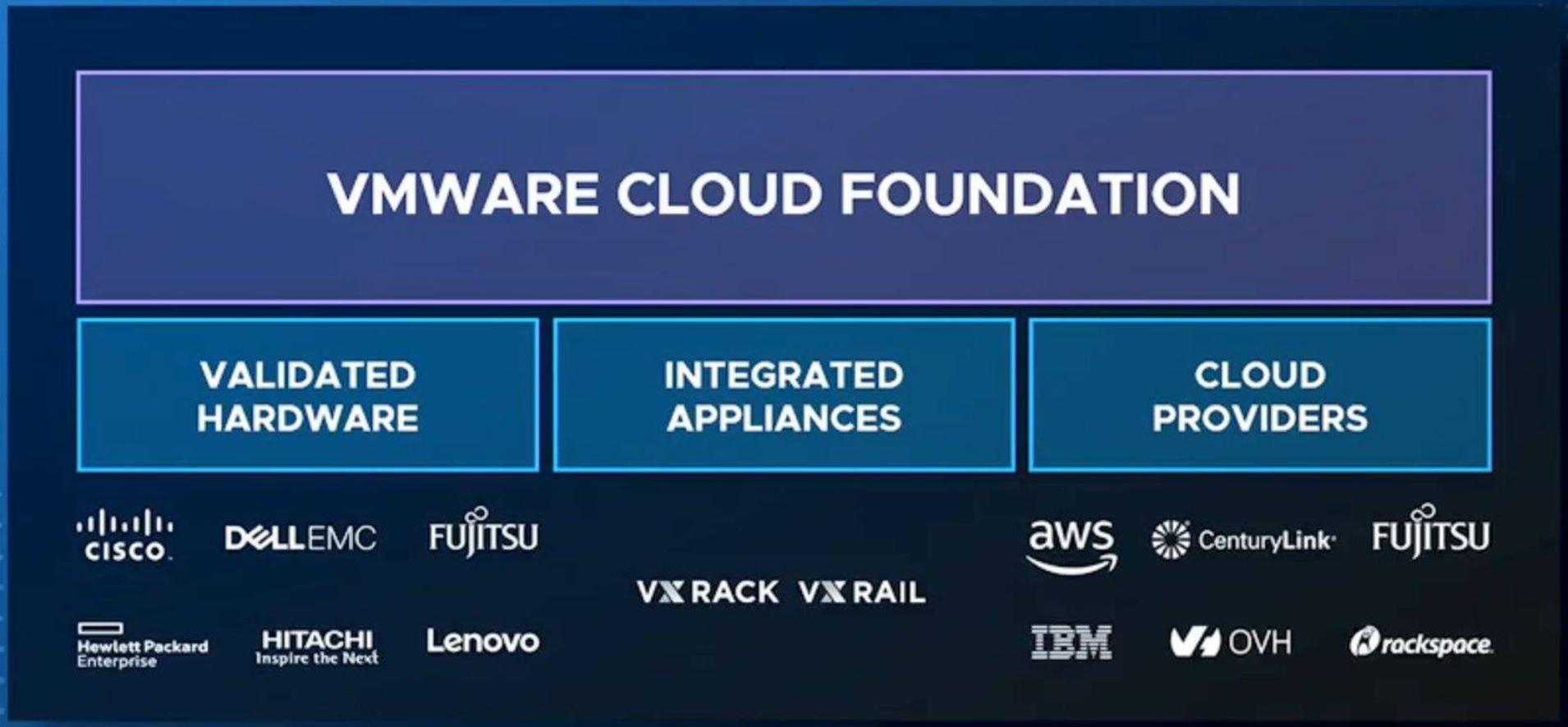
- VMware Validated Designs for SDDC to plan, operate, & deploy on-prem cloud
- Future-proof performance w/NVMe, 2x more memory, 2x graphics acceleration, and most aggregate networking bandwidth
- New STIG Compliance Guide and automated scripts accelerate deployment of secure infrastructure

DELL EMC

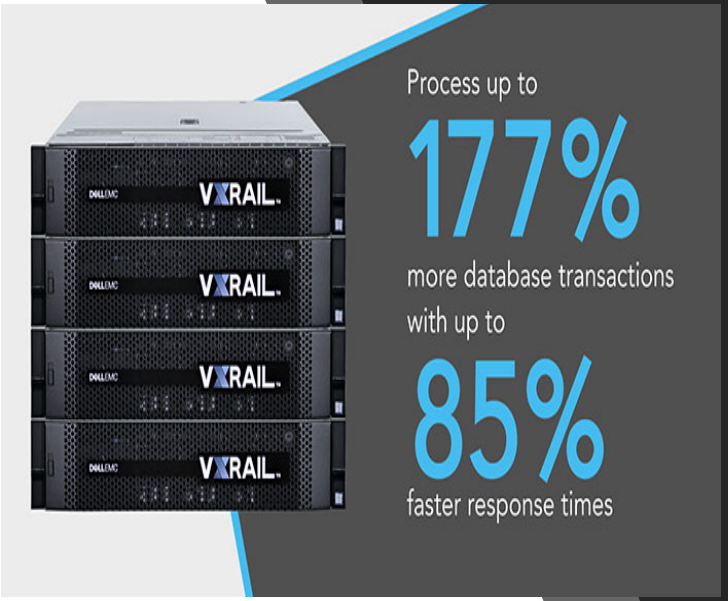
Dell EMC Embargoed Content – May 1, 2018 @ 10:00 a.m. PST

Hyper-Converged Infrastructure

Proven Hybrid Cloud Platform Across a Wide Ecosystem



Benefits Of VXRail Technology



- Automation of upgrades/maintenance with “One-Click Upgrades.” The VxRail will vMotion workloads to other nodes to provide business continuity and limit downtime of the upgrade process. All of the firmware and software updates will be applied throughout the server/storage environment without downtime that you would need with a traditional three-tier architecture.
- Ease of management: With smaller IT teams, we have seen great success of the implementation of the VxRail platform. We have installed for numerous counties across the state of Virginia that struggle with traditional maintenance of legacy infrastructure. The one-click upgrade will allow you to automate that process.
- VxRail also gives you all the capability of growth throughout its lifetime. You can easily add nodes to the VxRail platform to expand storage and compute needs as necessary. Also, when the platform comes time for refresh, you do not have to life and shift migrate. You will be able to vMotion workloads over to new nodes as you decommission the older nodes. These are also added benefits of VMware integration with the VxRail platform.

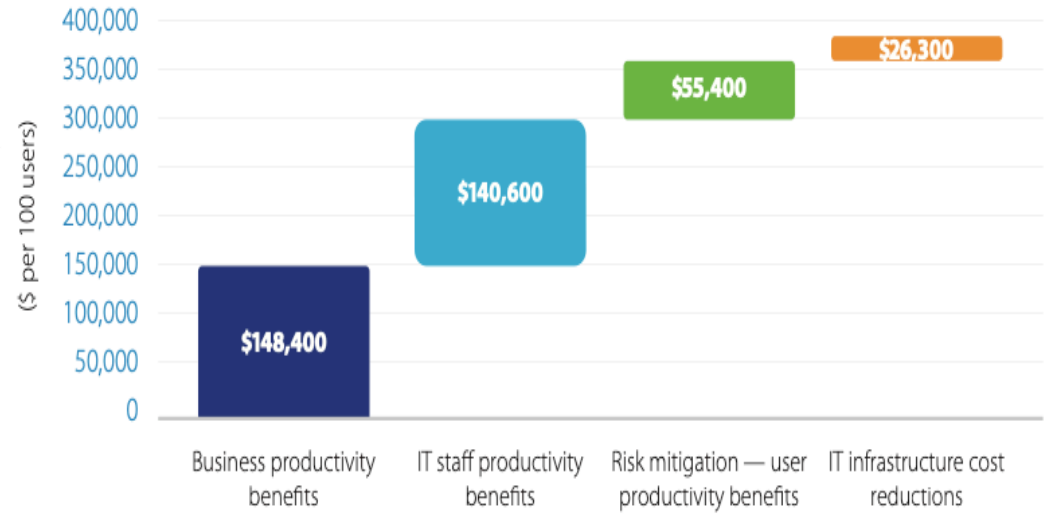
Benefits of Virtualization

Virtualization can increase IT agility, flexibility and scalability while creating significant cost savings.
Greater workload mobility, increased performance and availability of resources, automated operations – they're all benefits of virtualization that make IT simpler to manage and less costly to own and operate.
Additional benefits include:

- Reduced capital and operating costs.
- Minimized or eliminated downtime.
- Increased IT productivity, efficiency, agility and responsiveness.
- Faster provisioning of applications and resources.
- Greater business continuity and disaster recovery.
- Simplified data center management.
- Availability of a true Software-Defined Data Center..

- **Business productivity benefits.** Greater agility and improved performance translate to addressing more business opportunities in a timely fashion and more productive employees. IDC calculates the value of higher revenue and productivity at an annual average of $2.13 million per organization ($148,400 per 100 users).
- **IT staff productivity benefits.** Having a more reliable, automated, and agile infrastructure foundation enables application development teams and eases time requirements for IT infrastructure teams. IDC puts the value of staff time savings and productivity gains at an average of $2.02 million per year per organization ($140,600 per 100 users).
- **Risk mitigation benefits.** Reducing the impact of unplanned outages related to server and storage infrastructure means fewer interruptions for employees and business operations. IDC quantifies the reduction in lost employee productivity and revenue at an average of $0.80 million per organization per year ($55,400 per 100 users).
- **IT infrastructure cost reductions.** Putting in place a more streamlined and efficient IT infrastructure means lower hardware costs and expenses associated with running workloads. IDC calculates that study participants will save $0.38 million per organization per year ($26,300 per 100 users; see Figure 1).

Average Annual Benefits per 100 Users



Average annual benefits: $370,700 per 100 users

Disaster Recovery and Business Continuity: What are they?

Disaster recovery

It is a fundamental piece of an association's business continuity plan, yet the two are not compatible. With a compelling Disaster Recovery plan, at least one copy of an organization's critical data kept in offsite. In any case, a business should likewise have adequate facilities, & foundation for DR plan also must be aware of procedures to encourage the data restoration.

Business Continuity (BC)

Business Continuity Plan (BCP) guarantees that business operations can continue even at times some crisis or disaster. The disasters can be either natural or man-made, where business can't function under normal conditions. Organizations need to take a look at all such potential dangers and devise BCPs to guarantee the working of organizations even in such incidents.

Top Use Cases for vSAN State and Local Government Customers

Mission-Critical Applications

vSAN powers the applications that help government agencies fulfill their mission, including MS Exchange and relational databases. Ensure performance for even the most demanding workloads, with all-flash storage and up to 150,000 IOPS per node. vSAN scales up to 64 nodes per cluster, and offers enterprise-grade Quality of Service and automated storage balancing.

Virtual Desktop Management

Government employees need fast, reliable access to information and applications anywhere they are —and now you can provide it with consistent, personalized workspaces. vSAN delivers high-performance VDI while reducing OpEx, allowing IT to deliver desktop services to end users via virtual machines on consolidated clusters in the data center.

State and Local Branch Offices

Governments have many branch offices, from libraries to police stations—yet IT staff resources are limited. vSAN enables you to manage remote environments with little to no staff, with a simple, scalable solution that can be centrally managed. Best of all, vSAN has unique, flexible licensing for branch offices, to help keep you in budget